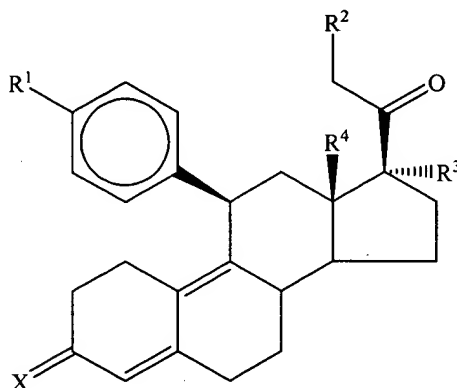


APPENDIX A: PENDING CLAIMS

1. (Twice Amended) A compound having the general formula:



wherein:

R^1 is a member selected from the group consisting of $-OCH_3$, $-SCH_3$, $-N(CH_3)_2$, $-NHCH_3$, $-NC_4H_8$, $-NC_5H_{10}$, $-NC_4H_8O$, $-CHO$, $-CH(OH)CH_3$, $-C(O)CH_3$, $-O(CH_2)_2N(CH_3)_2$, $-O(CH_2)_2NC_4H_8$, and $-O(CH_2)_2NC_5H_{10}$;

R^2 is a member selected from the group consisting of hydrogen, halogen, alkyl, acyl, hydroxy, alkoxy, acyloxy, alkylcarbonate, cypionyloxy, S-alkyl, $-SCN$, S-acyl, and $-OC(O)R^6$, wherein R^6 is a member selected from the group consisting of alkyl, alkoxy ester and alkoxy;

R^3 is a member selected from the group consisting of alkyl-alkoxy, alkoxy and acyloxy;

R^4 is a member selected from the group consisting of hydrogen and alkyl;

X is a member selected from the group consisting of $=O$ and $=N-OR^5$, wherein R^5 is a member selected from the group consisting of hydrogen and alkyl; and wherein:

if R^1 is $-N(CH_3)_2$ or $-NHCH_3$, R^2 is hydrogen, R^3 is acetyloxy and R^4 is methyl, then X is other than $=O$; and

19 if R¹ is -N(CH₃)₂, R² is hydroxy, R⁴ is alkyl and X is =O, then R³ is other than
20 hydroxy.

1 2. The compound in accordance with claim 1, wherein R¹ is a member
2 selected from the group consisting of -N(CH₃)₂, -NC₄H₈, -NC₅H₁₀, -NC₄H₈O, -C(O)CH₃,
3 -O(CH₂)₂N(CH₃)₂, -O(CH₂)₂NC₄H₈, and -O(CH₂)₂NC₅H₁₀.

1 3. (Amended) The compound in accordance with claim 1, wherein R² is a
2 member selected from the group consisting of hydrogen, acyloxy, alkoxy, -SAc, -SCN,
3 -OC(O)CH₂N(CH₃)₂, and -OC(O)R⁶, wherein R⁶ is a member selected from the group consisting
4 of alky, alkoxy ester and alkoxy.

1 4. The compound in accordance with claim 3, wherein R² is -OC(O)R⁶ and
2 R⁶ is a member selected from the group consisting of -CH₂CH₃, -CH₂OCH₃ and -OCH₃.

1 5. The compound in accordance with claim 1, wherein R² is an alkoxy
2 selected from the group consisting of methoxy, ethoxy, vinyloxy, ethynyloxy and
3 cyclopropyloxy.

1 6. (Twice Amended) The compound in accordance with claim 1, wherein R³
2 is a member selected from the group consisting of alkoxy and acyloxy.

1 7. The compound in accordance with claim 1, wherein R⁴ is alkyl.

1 8. The compound in accordance with claim 1, wherein X is =O.

1 9. The compound in accordance with claim 1, wherein X is =N-OR⁵.

1 10. The compound in accordance with claim 1, wherein:

2 R¹ is -N(CH₃)₂;

3 R² is hydrogen;

4 R³ is acyloxy;
5 R⁴ is methyl; and
6 X is =O.

1 11. The compound in accordance with claim 10, wherein R³ is acyloxy
2 selected from the group consisting of -OC(O)H, -OC(O)CH₂CH₃ and -OC(O)C₆H₁₃.

1 12. The compound in accordance with claim 1, wherein:

2 R¹ is -N(CH₃)₂;
3 R² is hydrogen;
4 R³ is methoxymethyl;
5 R⁴ is methyl; and
6 X is =O.

1 13. The compound in accordance with claim 1, wherein:

2 R¹ is -NC₄H₈;
3 R² is hydrogen;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 14. The compound in accordance with claim 1, wherein:

2 R¹ is -NC₅H₁₀;
3 R² is hydrogen;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 15. The compound in accordance with claim 1, wherein:

2 R¹ is -NC₄H₈O;
3 R² is hydrogen;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 16. The compound in accordance with claim 1, wherein:

2 R¹ is -C(O)CH₃;
3 R² is hydrogen;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 17. The compound in accordance with claim 1, wherein:

2 R¹ is -SCH₃;
3 R² is hydrogen;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 18. (Amended) The compound in accordance with claim 1, wherein:

2 R¹ is -N(CH₃)₂;
3 R² is hydrogen;
4 R³ is methoxy;
5 R⁴ is methyl; and
6 X is =O.

1 19. The compound in accordance with claim 1, wherein:

2 R¹ is -NC₅H₁₀;

3 R² is hydrogen;
4 R³ is methoxy;
5 R⁴ is methyl; and
6 X is =O.

1 20. The compound in accordance with claim 1, wherein:
2 R¹ is -NC₅H₁₀;
3 R² is acetoxy;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 21. The compound in accordance with claim 1, wherein:
2 R¹ is -C(O)CH₃;
3 R² is acetoxy;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 22. The compound in accordance with claim 1, wherein:
2 R¹ is -C(O)CH₃;
3 R² is -SAc;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 23. The compound in accordance with claim 1, wherein:
2 R¹ is -C(O)CH₃;
3 R² is methoxy;

4 R³ is methoxy;
5 R⁴ is methyl; and
6 X is =O.

1 24. The compound in accordance with claim 1, wherein:

2 R¹ is -N(CH₃)₂;
3 R² is methoxy;
4 R³ is methoxy;
5 R⁴ is methyl; and
6 X is =O.

1 25. The compound in accordance with claim 1, wherein:

2 R¹ is -N(CH₃)₂;
3 R² is methoxy;
4 R³ is ethoxy;
5 R⁴ is methyl; and
6 X is =O.

1 26. The compound in accordance with claim 1, wherein:

2 R¹ is -NC₄H₈;
3 R² is methoxy;
4 R³ is methoxy;
5 R⁴ is methyl; and
6 X is =O.

1 27. The compound in accordance with claim 1, wherein:

2 R¹ is -NC₅H₁₀;
3 R² is methoxy;
4 R³ is methoxy;

5 R⁴ is methyl; and
6 X is =O.

1 28. The compound in accordance with claim 1, wherein:

2 R¹ is -NC₅H₁₀;
3 R² is methoxy;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 29. The compound in accordance with claim 1, wherein:

2 R¹ is -C(O)CH₃;
3 R² is methoxy;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 30. The compound in accordance with claim 1, wherein:

2 R¹ is -O(CH₂)₂N(CH₃)₂;
3 R² is methoxy;
4 R³ is acetoxy;
5 R⁴ is methyl; and
6 X is =O.

1 31. The compound in accordance with claim 1, wherein:

2 R¹ is -O(CH₂)₂NC₄H₈;
3 R² is methoxy;
4 R³ is acetoxy;
5 R⁴ is methyl; and

6 X is =O.

1 32. The compound in accordance with claim 1, wherein:

2 R¹ is -O(CH₂)₂NC₅H₁₀;

3 R² is methoxy;

4 R³ is acetoxy;

5 R⁴ is methyl; and

6 X is =O.

1 33. The compound in accordance with claim 1, wherein:

2 R¹ is -N(CH₃)₂;

3 R² is -OC(O)CH₂CH₃;

4 R³ is acetoxy;

5 R⁴ is methyl; and

6 X is =O.

1 34. The compound in accordance with claim 1, wherein:

2 R¹ is -N(CH₃)₂;

3 R² is -OC(O)CH₂OCH₃;

4 R³ is acetoxy;

5 R⁴ is methyl; and

6 X is =O.

1 35. The compound in accordance with claim 1, wherein:

2 R¹ is -N(CH₃)₂;

3 R² is -OC(O)OCH₃;

4 R³ is acetoxy;

5 R⁴ is methyl; and

6 X is =O.

1 36. The compound in accordance with claim 1, wherein:

2 R^1 is $-N(CH_3)_2$;

3 R^2 is $-OCH=CH_2$;

4 R^3 is acetoxy;

5 R^4 is methyl; and

6 X is $=O$.

1 37. The compound in accordance with claim 1, wherein:

2 R^1 is $-N(CH_3)_2$;

3 R^2 is $-OCH=CH_2$;

4 R^3 is methoxy;

5 R^4 is methyl; and

6 X is $=O$.

1 38. The compound in accordance with claim 1, wherein:

2 R^1 is $-N(CH_3)_2$;

3 R^2 is $-OCH=CH_2$;

4 R^3 is ethoxy;

5 R^4 is methyl; and

6 X is $=O$.

1 39. The compound in accordance with claim 1, wherein:

2 R^1 is $-N(CH_3)_2$;

3 R^2 is $-SCN$;

4 R^3 is acetoxy;

5 R^4 is methyl; and

6 X is $=O$.

1 40. The compound in accordance with claim 1, wherein:

2 R^1 is $-N(CH_3)_2$;

3 R^2 is $-OC(O)H$;

4 R^3 is $-OC(O)H$;

5 R^4 is methyl; and

6 X is $=O$.

1 42. The compound in accordance with claim 1, wherein:

2 R^1 is $-N(CH_3)_2$;

3 R^2 is $-OC(O)CH_2N(CH_3)_2$;

4 R^3 is acetoxy;

5 R^4 is methyl; and

6 X is $=O$.

1 43. The compound in accordance with claim 1, wherein:

2 R^1 is $-NC_5H_{10}$;

3 R^2 is hydrogen;

4 R^3 is acetoxy;

5 R^4 is methyl; and

6 X is $=N-OR^5$, wherein R^5 is hydrogen.

1 44. The compound in accordance with claim 1, wherein:

2 R^1 is $-N(CH_3)_2$;

3 R^2 is hydrogen;

4 R^3 is methoxy;

5 R^4 is methyl; and

6 X is $=N-OR^5$, wherein R^5 is hydrogen.

1 45. The compound in accordance with claim 1, wherein:

2 R^1 is $-NC_5H_{10}$;

3 R^2 is hydrogen;

4 R^3 is methoxy;

5 R^4 is methyl; and

6 X is $=N-OR^5$, wherein R^5 is hydrogen.

1 46. The compound in accordance with claim 1, wherein:

2 R^1 is $-N(CH_3)_2$;

3 R^2 is methoxy;

4 R^3 is methoxy;

5 R^4 is methyl; and

6 X is $=N-OR^5$, wherein R^5 is hydrogen.

1 47. The compound in accordance with claim 1, wherein:

2 R^1 is $-NHCH_3$;

3 R^2 is methoxy;

4 R^3 is acetoxy;

5 R^4 is methyl; and

6 X is $=O$.

1 48. The compound in accordance with claim 1, wherein:

2 R^1 is $-NHCH_3$;

3 R^2 is acetoxy;

4 R^3 is acetoxy;

5 R^4 is methyl; and

6 X is $=O$.

1 49. A pharmaceutical composition comprising an effective amount of a
2 compound in accordance with claim 1 and a pharmaceutically acceptable excipient.

1 50. A method of producing an antiprogestational effect in a patient, said
2 method comprising administering to said patient an effective amount of a compound in
3 accordance with claim 1.

1 51. A method of inducing menses in a patient, said method comprising
2 administering to said patient an effective amount of a compound in accordance with claim 1.

1 52. A method of treating endometriosis, said method comprising
2 administering to said patient an effective amount of a compound in accordance with claim 1.

1 53. A method of treating dysmenorrhea, said method comprising
2 administering to said patient an effective amount of a compound in accordance with claim 1.

1 54. A method of treating endocrine hormone-dependent tumors, said method
2 comprising administering to said patient an effective amount of a compound in accordance with
3 claim 1.

1 55. A method of treating meningiomas, said method comprising administering
2 to said patient an effective amount of a compound in accordance with claim 1.

1 56. A method of treating uterine fibroids in a patient, said method comprising
2 administering to said patient an effective amount of a compound in accordance with claim 1.

1 57. A method of inhibiting uterine endometrial proliferation in a patient, said
2 method comprising administering to said patient an effective amount of a compound in
3 accordance with claim 1.

1 **58.** A method of inducing labor, said method comprising administering to a
2 patient an effective amount of a compound in accordance with claim 1.

1 **59.** A method of contraception, said method comprising administering to a
2 patient an effective amount of a compound in accordance with claim 1.

1 **60.** A method of postcoital contraception, said method comprising
2 administering to a patient an effective amount of a compound in accordance with claim 1.